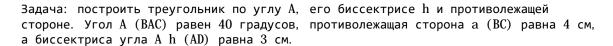
## Элементарная геометрия треугольника





https://en.smath.com/forum/yaf\_postst25461findunread\_roots-function.aspx

**⊕**—g

 $z := x + i \cdot y$ clr := "#2F0FF004"Angle A  $B := x_B + 0 \cdot i$ Point B  $\left\{ C := -x_{_{\!B}} + 0 \cdot \mathbf{i} \right.$ bisector length (gXY ("Point", "E", ".")  $\boldsymbol{\mu}_{\!B} := \! g \boldsymbol{\perp} \left( g \boldsymbol{L} \left( \boldsymbol{B} \; , \; \boldsymbol{C} \right) , \; \boldsymbol{E} \right)$  $tg_B := tg(-\alpha) \cdot (x - x_B) - y$  $ptg_{B} := g \perp \left( tg_{B}, B \right)$  $O := g \cap \left(\mu_B , ptg_B\right)$ gXY ("Point", "0", ".")  $Arc_{O}(x,y) := |O-z| - |O-B|$  $F := 0 + i \cdot roots(Arc_0(0, y), y)$  $\Pi := \left\{ \left| gXY \left( "Point", "F", "." \right) \right. \right. \right.$  $D := \frac{\left|E - F\right| \cdot x_{A}}{\left|E - F\right| + y_{A}} + 0 \cdot i$  $\begin{bmatrix} x_{A} \\ Y_{A} \end{bmatrix} := \operatorname{Broyden} \left( \begin{bmatrix} \left| x_{A} + \mathrm{i} \cdot y_{A} - D \right| - h \\ \operatorname{Arc}_{O} \left( x_{A}, Y_{A} \right) \end{bmatrix}, \begin{bmatrix} 2 \\ 2 \end{bmatrix} \right)$  $A := \operatorname{eval}\left(x_{A} + i \cdot Y_{A}\right)$ gXY ("Poly",["A" "B" "C"], clr)  $A = 3.085 + 1.9784 \cdot i$ |A - D| = 3gXY ("Point", "D", ".") D = 0.8298 $F = -0.7279 \cdot i$  $h(x,y) := g\beta(gL(A,C),gL(A,B))$ 

Alvaro

appVersion(4) = "1.2.9018.0"